CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.11/VMK/CUBE/2014-15

30.05.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. V. Mohan Kumar,** Contractor, Bangalore.

Name of the work : Improvements to CC roads construction of culverts in Singapura village near Auto Santhosh Kumar House road in Ward No.11 Kuvempunagara, Vidyaranyapura Sub Division , BBMP, Bangalore.

Reference : AEE/VP/(WO)/03/2014-15 Dated: 19.05.2014

Sample ID : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	30.05.2014	8.125	350.3	15.57
2	23.05.2014	30.05.2014	8.235	365.2	16.23
3	23.05.2014	30.05.2014	8.335	369.3	16.41

Note:

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Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	30.05.2014	8.188	355.6	15.80
2	23.05.2014	30.05.2014	8.268	363.5	16.16
3	23.05.2014	30.05.2014	8.345	375.2	16.68

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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	30.05.2014	8.257	356.3	15.84
2	23.05.2014	30.05.2014	8.335	364.5	16.20
3	23.05.2014	30.05.2014	8.425	372.3	16.55

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20.06.2014

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	: **Mr. V. Mohan Kumar,** Contractor, Bangalore.
Name of the work	: Improvements to CC roads construction of culverts in Singapura village near Auto Santhosh Kumar House road in Ward No.11 Kuvempunagara, Vidyaranyapura Sub Division , BBMP, Bangalore.
Reference	: AEE/VP/(WO)/03/2014-15 Dated: 19.05.2014
Sample ID	: Drain Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	20.06.2014	8.115	478.3	21.26
2	23.05.2014	20.06.2014	8.268	502.3	22.32
3	23.05.2014	20.06.2014	8.352	512.3	22.77

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Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	20.06.2014	8.135	475.5	21.13
2	23.05.2014	20.06.2014	8.298	495.6	22.03
3	23.05.2014	20.06.2014	8.358	516.3	22.95

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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2014	20.06.2014	8.133	480.3	21.35
2	23.05.2014	20.06.2014	8.256	505.4	22.46
3	23.05.2014	20.06.2014	8.332	520.1	23.12

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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.05.2014	17.06.2014	8.129	355.5	15.80
2	20.05.2014	17.06.2014	8.288	365.6	16.25
3	20.05.2014	17.06.2014	8.336	378.2	16.81

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